

Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of claims in the application.

Listing of Claims:

1. (canceled)

2. (currently amended) The method of claim 1 wherein step b) further comprises allowing another system of the plurality of systems to retain the plurality of locks of the at least one system.

3. (currently amended) The method of claim 1 wherein step c) further comprises:

c1) allowing the another system of the plurality of systems to restart the at least one system;

c2) recovering data being protected by the retained locks of the at least one system utilizing ~~minimal~~ only the shared processor resources of the another system determined to be necessary for performing the restart operation; and

c3) allowing the at least one system to terminate in a normal fashion.

4. (canceled)

5. (currently amended) The method of claim 3 wherein step c1) further comprises:

cl1) providing a request to restart the at least one system ~~utilizing minimal resources~~;

cl2) allowing the another system to detect the request; and

c1iii) allowing the another system to restart the at least one system based on the request, utilizing only the shared processor resources determined to be necessary for performing the restart operation.

6. (currently amended) The method of claim ~~1~~ 23 wherein the plurality of locks comprise a plurality of data locks.

7. (canceled)

8. (currently amended) The system of claim ~~7~~ 24 wherein the means for retaining the plurality of locks further comprises means for allowing another computer system to retain the plurality of locks ~~of held by~~ the at least one computer system.

B1 9. (currently amended) The system of claim 8 wherein the means for restarting the at least one computer system further comprises:

means for allowing the another computer system to restart the at least one computer system;

means for recovering ~~the~~ data being protected by the retained locks ~~of held by~~ the at least one computer system ~~utilizing minimal resources using only the shared processor resources of the another computer system determined to be necessary for recovering the data;~~ and

means for allowing the at least one computer system to terminate in a normal fashion after recovering the data.

10. (canceled)

11. (currently amended) The system of claim 9 wherein means for allowing the another computer system to restart the at least one computer system further comprises:

means for providing a request to restart the at least one computer system ~~utilizing minimal resources~~;

means for allowing the another computer system to detect the request; and

means for allowing the another computer system to restart the at least one computer system based on the request using only the shared processor resources that are determined to be necessary for recovering the data.

12. (currently amended) The system of claim 7 ~~24~~ wherein the plurality of locks comprise a plurality of data locks.

13. (canceled)

31
14. (currently amended) The computer readable medium of claim ~~13~~ 25 wherein ~~step instruction~~ b) further comprises allowing another system of the plurality of systems to retain the plurality of locks ~~of held by~~ the at least one system.

15. (currently amended) The computer readable medium of claim ~~13~~ 25 wherein ~~step instruction~~ c) further comprises:

c1) allowing the another system of the plurality of systems to restart the at least one system;

c2) recovering the data being protected by the retained locks ~~of held by~~ the at least one system ~~utilizing minimal resources~~ using only the shared processor resources of the at least

~~one system that are determined to be necessary for recovering the data; and~~

c3) allowing the another system to terminate the at least one system in a normal fashion after recovering the data.

16. (canceled)

17. (currently amended) The computer readable medium of claim 15 wherein ~~step instruction c1)~~ further comprises:

c1i) providing a request to restart the at least one system ~~utilizing minimal resources;~~

c1ii) allowing the another system to detect the request; and

B1 c1iii) allowing the another system to restart the at least one system based on the request using only the shared processor resources determined to be necessary for recovery the data.

18. (currently amended) The computer readable medium of claim ~~13~~ 25 wherein the plurality of locks comprise a plurality of data locks.

19. – 22. (canceled)

23. (New) A method for recovering retained locks in a shared system environment having a plurality of computer systems sharing processor resources, comprising:

B2 (a) determining that at least one computer system of the plurality of computer systems has failed;

(b) retaining a plurality of locks held by the failed system in response to the failure; and

(c) performing a restart operation on the failed system to free the retained locks using only shared processor resources determined to be necessary for performing the restart operation.

24. (New) A system for recovering retained locks in a shared system environment having a plurality of computer systems sharing processor resources, comprising:

means for determining that at least one computer system of the plurality of computer systems has failed;

means for retaining a plurality of locks held by the failed system in response to the failure; and

means for performing a restart operation on the failed system to free the retained locks using only shared processor resources determined to be necessary for performing the restart operation.

25. (New) A computer readable medium with program instructions for recovering retained locks in a shared system environment having a plurality of computer systems sharing processor resources, comprising instructions for:

B2 (a) determining that at least one computer system of the plurality of computer systems has failed;

(b) retaining a plurality of locks held by the failed system in response to the failure; and

(c) performing a restart operation on the failed system to free the retained locks using only shared processor resources determined to be necessary for performing the restart operation.
